

Title (en)
SYSTEM AND PROGRAM FOR PROVIDING DISTANCE AND ORIENTATION FEEDBACK WHILE NAVIGATING IN 3D

Title (de)
SYSTEM UND PROGRAMM ZUR BEREITSTELLUNG VON ENTFERNUNGS- UND AUSRICHTUNGSRÜCKMELDUNG BEI DER NAVIGATION IN 3D

Title (fr)
SYSTÈME ET PROGRAMME POUR FOURNIR UN RETOUR D'ORIENTATION ET DE DISTANCE AU COURS D'UNE NAVIGATION EN 3D

Publication
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Application
EP 23182061 A 20150701

Priority

- US 201462020258 P 20140702
- EP 15814744 A 20150701
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Abstract (en)
A system for navigating to a target within a patient, comprising: an extended working channel or locatable guide defining a lumen configured to receive a tool for delivering therapeutic medication to a target within the patient; a display device; and a computing device including a processor and a memory storing instructions which, when executed by the processor, cause the computing device to: determine a probability treatment zone which indicates a maximum probable distribution of therapeutic medication distributed by the tool; display, on the display device, the probability treatment zone depicted as a three-dimensional volumetric shape overlaid on an image depicting the target; and display, on the display device, the target at least partially encompassed by the volumetric shape and provide visual feedback as to whether or not a portion of the target encompassed by the probability treatment zone is greater than a threshold portion.

IPC 8 full level
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Citation (search report)

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- [A] EP 1980201 A2 20081015 - BRAINLAB AG [DE]
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US 11382573 B2 20220712; **US 2016000520 A1 20160107**; AU 2015284085 A1 20170105; AU 2015284085 B2 20190718; CA 2953133 A1 20160107; CN 106659374 A 20170510; CN 106659374 B 20210402; EP 3164051 A1 20170510; EP 3164051 A4 20180314; EP 3164051 B1 20230830; EP 4233707 A2 20230830; EP 4233707 A3 20231011; JP 2017528175 A 20170928; JP 6604977 B2 20191113; US 11974865 B2 20240507; US 2022338820 A1 20221027; WO 2016004177 A1 20160107

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